

## OPINION 1154

DRUPELLA THIELE, 1925 (MOLLUSCA, GASTROPODA):  
DESIGNATION OF A TYPE SPECIES BY THE USE  
OF THE PLENARY POWERS

RULING — (1) Under the plenary powers, all designations of type species hitherto made for the genus *Drupella* Thiele, 1925, are hereby set aside, and the nominal species *Purpura elata* Blainville, 1832, is hereby designated as type species of that genus.

(2) The generic name *Drupella* Thiele, 1925 (gender: feminine), type species, by designation under the plenary powers in (1) above, *Purpura elata* Blainville, 1832, is hereby placed on the Official List of Generic Names in Zoology with the Name Number 2104.

(3) The specific name *cornus* Roeding, 1798, as published in the binomen *Drupa cornus*, is hereby placed on the Official List of Specific Names in Zoology with the Name Number 2708.

## HISTORY OF THE CASE Z.N.(S.) 1891

An application for the use of the plenary powers to designate a type species for the genus *Drupella* Thiele, 1925, was first received from Dr W.O. Cernohorsky (*Auckland Institute and Museum, New Zealand*) on 11 June 1969. It was sent to the printer on 26 August 1969 and published on 7 April 1970 in *Bull. zool. Nom.* vol. 26, pp. 233–234. Public notice of the possible use of the plenary powers in the case was given in the same part of the *Bulletin* as well as to the statutory serials and to two malacological serials. The application was supported by Dr Harald Rehder (*U.S. National Museum*).

## FIRST VOTE OF THE COMMISSION

On 9 June 1971 the members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (1971)14 for or against the proposals set out in *Bull. zool. Nom.* vol. 26, p. 234. At the close of the voting period on 9 September 1971 the state of the voting was as follows:

Affirmative Votes — sixteen (16) received in the following order: Holthuis, Vokes, Mayr, Lemche, Melville, Binder, Jaczewski, Simpson, Starobogatov, Bonnet, Alvarado, Eisenmann, Tortonese,

Forest, Ride, Munroe

Negative Votes — none (0).

Sabrosky abstained from voting. A late affirmative vote was returned by Brinck. No voting paper was returned by Kraus.

The following comments were sent in by members of the Commission with their voting papers:

*Sabrosky*: 'I raise the point of order that under Article 70a the Commission should choose between *Drupa cornus* Roeding [Art. 70a(i)] or *Ricinula siderea* Reeve [Art. 70a(iii)], and not *Sistrum ochrostoma*. The alternative of doubt [Art. 70a(ii)] does not seem to apply, from Cernohorsky's positive statement of identification from Thiele's figures. Is not *Drupa cornus* also a *Drupella*?'

*Ride*: 'The application should also ask for the use of the plenary powers to set aside Article 70, because the solution proposed to the Commission is for none of the alternatives set out in that Article. Under Article 70 the alternatives would be a(i) *Drupa cornus* Roeding, a(ii) not applicable because the identity of the species is not in doubt, a(iii) *Ricinula siderea* Reeve.'

### SUBSEQUENT HISTORY OF THE CASE

On 11 October 1971, shortly after the close of the voting period for V.P.(71)14, a letter was received from Dr Harald Rehder which clearly called for the case to be reopened. Dr Rehder said:

'1. To begin with, Cernohorsky's statement in the last sentence of paragraph 5 that *Purpura elata* Blainville, 1832 and *Ricinula spectrum* Reeve, 1846 are synonyms of *Drupa cornus* Roeding, 1798 is erroneous. *D. cornus* is restricted to the Indian Ocean and is orange within the aperture; *D. elata* (Blainville), with *spectrum* Reeve as a synonym, is found in the Pacific from Indonesia eastwards, and is white within the aperture. It is possible that *elata* should be considered a geographic race or subspecies of *cornus*.

'2. The species *Purpura elata* listed by Martens from Mahé, Seychelles, and cited by Thiele, 1925, p. 171, is undoubtedly *D. cornus* Roeding.

'3. *Purpura elata* and *Ricinula spectrum* are not synonyms of *Sistrum ochrostoma* Blainville as Tryon states. The latter is a distinct species whose radular characters have never been published. A radula slide in the U.S. National Museum, labelled as taken from *S. ochrostoma* from Hilo, Hawaii, shows a radula completely different from those figures by Thiele and on which *Drupella* is based. We do not have the specimen from which the radula was

taken, but other material of this species from Hilo is indistinguishable from specimens of *ochrostoma* from Polynesia and Melanesia.

'4. Thiele's figure of the radula of "*R. siderea* Reeve" agrees with that of *elata* Blainville (+ *spectrum* Reeve), but he does not state the provenance of his specimen.

'5. His figure of the radula of "*Drupella spectrum* (Reeve)" from the Red Sea is distinct from the previous figure. This may represent the radula of *D. cornus* Roeding.

'6. Because the only known radula preparation of *Sistrum ochrostoma* Blainville of which I am aware, from Hilo (mentioned above), differs so radically from that known for *Purpura elata* Blainville (+ *spectrum* Reeve), the radula that essentially characterises Thiele's genus *Drupella*, Dr Cernohorsky should be asked to change his application by requesting that *Purpura elata* Blainville, 1832 be selected as type species of *Drupella*. This is an equally widely distributed Pacific species. With this emendation I should gladly support the application.'

Dr Cernohorsky, after reading Dr Rehder's comment, presented a revised application which was sent to the printer on 13 February 1976 and published on 31 March 1977 in *Bull. zool. Nom.* vol. 33, pp. 190-191. Public notice of the possible use of the plenary powers was given in the same part of the *Bulletin* as well as to the statutory serials and to 15 other serials. The application was supported by Dr W.K. Emerson (*American Museum of Natural History, New York*). No adverse comment was received.

## DECISION OF THE COMMISSION

On 20 August 1979 the members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (1979) 12 for or against the proposals set out in *Bull. zool. Nom.* vol. 33, p. 191. At the close of the voting period on 20 November 1979 the state of the voting was as follows:

Affirmative Votes - twenty (20) received in the following order: Melville, Vokes, Holthuis, Alvarado, Mroczkowski, Willink, Trjapitzin, Tortonese, Sabrosky, Bayer, Hahn, Welch, Brinck, Bernardi, Habe, Dupuis, Corliss, Nye, Cogger, Heppell

Negative Votes - none (0).

Late affirmative votes were returned by Kraus, Halvorsen and Starobogatov. Ride was on leave of absence. No vote was returned by Binder.

Dr Sabrosky remarked on his voting paper: 'I do not disagree with the purpose of the designation, but it would have been more logical and in agreement with Article 70a(i) to have chosen *cornus*

Roeding rather than *elata* Blainville. Cernohorsky shows that the species misidentified by Thiele as *Ricinula siderea* and designated by von Ihering & Haas as type species of *Drupella* is *Drupa cornus* Roeding.'

### ORIGINAL REFERENCES

The following are the original references for names placed on Official Lists by the ruling given in the present Opinion:  
*cornus*, *Drupa*, Roeding, 1798, *Museum Boltenianum*, (2), p. 56  
*Drupella* Thiele, 1925, *Wiss. Ergebnisse deutsch. Tiefsee-Expedition*  
... 'Valdivia', 1898-1899, *Gastropoda*, Theil II, p. 171.

### CERTIFICATE

I certify that the votes cast on voting paper (79)12 were cast as set out above, that the proposal contained in that voting paper has been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission on Zoological Nomenclature, is truly recorded in the present Opinion No. 1154.

R.V. MELVILLE

*Secretary*

*International Commission on Zoological Nomenclature*

*London*

*14 January 1980*